TABLE NO. [ ]

MULTIMEDIA UNIVERSITY

STUDENT ID NO. [| | | | | | | | | |]

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2022/2023

TIS 3251– INFORMATION SYSTEMS PLANNING AND DEVELOPMENT

(All Sections / Groups)

5 JULY 2023
9.00 a.m. – 11.00 a.m.
(2 Hours)

Question	Marks
Total (50%)	

INSTRUCTION TO STUDENT

1. This Question paper consists of **NINE** pages with **SIX** questions only.
2. Answer any **FIVE** out of the **SIX** questions.
3. If you answer all questions, **ONLY** the FIRST five questions will be marked.
4. Each question carries **10 marks** and the maximum marks allotted are **50 marks**.
5. Please print all your answers **clearly** and **neatly** in the specified **ANSWER BOX** provided for each question.

Question No. 1

a. What are some of the ways that IT has become "pervasive"? List three of them.

(3 marks)

b. Describe three transaction processing characteristics performed by all transaction processing systems.

(3 marks)

Continued...

c. Explain two advantages of enterprise resource planning systems.

(4 marks)

Question No. 2

a. What guidelines and considerations should be followed in developing reports for management information systems? List 2 for each.

(4 marks)

Continued...

b. Describe the difference between a structured and an unstructured problem.

(3 marks)

c. What are the two primary benefits derived from the use of expert system?

(3 marks)

Continued...

Question No. 3

a. What is a vertically integrated information system? Give an example.

(3 marks)

b. What is the difference between systems investigation and systems analysis?

(3 marks)

Continued...

c. List and explain the two different types of feasibility that systems development must consider.

(4 marks)

Question No. 4

a. What is the purpose of system design?

(3 marks)

Continued...

b. Describe a distinct advantage for two of the four strategies in implementing a new system for methodologies in custom software development.

(3 marks)

c. Which disadvantages of an SDLC methodology are addressed by a prototyping approach? Explain two of them.

(4 marks)

Continued...

Question No. 5

a. What is request for proposal (RFP), and what critical tasks does it facilitate in the purchasing process?

(3 marks)

b. Why is making a lot of modifications to a packaged system sometimes a risky approach, and what are the alternatives?

(4 marks)

Continued...

c. What types of skills have been identified as important for successful IT project managers? Explain two of them.

(3 marks)

Question No. 6

a. What benefits are associated with centralized governance of IT resources, and how do these differ from those associated with decentralized governance?

(3 marks)

Continued...

b. Compare the Acceleration and Containment strategies for supporting user computing, and provide a rationale for why a firm might choose one or the other.
(4 marks)

c. What is the difference between a copyright and a patent on a computer program?
(3 marks)

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